can access newsgroups (table 8). This represents substantial increases in the last year in the availability of resource location services (up by 33 percent from 62 percent in 1994), and World Wide Web access (up almost 300 percent compared to the 21 percent of public schools reporting the availability of any graphical user interface in 1994; reference table 8b1). While e-mail is most widely available Internet service in schools, students are most likely to have access to World Wide Web (70 percent), followed by resource location services (62 percent), and news groups (51 percent). Only 41 percent of schools provide e-mail access for students.

- Twenty-eight percent of schools with Internet access report that teachers use the wide area networks to a moderate or large extent, with 21 percent for students and 18 percent for administrators (table 9). Students in schools with high poverty use wide area networks to a lesser extent than those with relatively lower poverty—19 percent of schools in high poverty schools (71 percent or more of the students are free-lunch eligible) use wide area networks to a moderate or large extent, while 30 percent of those in low poverty schools (less than 11 percent are eligible for the lunch program) access wide area networks to this extent.
- High school students area more likely to use wide area networks than elementary students; 30 percent of high schools report a moderate to large extent of wide area network by students, compared with 17 percent in elementary schools (table 9).
- Schools manage their networks in a variety of ways. The largest percentage are managed by a part-time administrator (45 percent; table 11). Twenty-four percent indicate that someone from the district staff administers their network and 20 percent report that no single individual is responsible. Only 12 percent of schools report that their network is administered by a full-time administrator. Schools with higher levels of poverty and those with large minority enrollments were least likely to employ a full-time network administrator.

Table 1.—Number and percent of responding public schools in the study sample and estimated number and percent of public schools the sample represents, by school characteristics: 1995

School characteristic	Responde	nts sample	National estimate		
	Number	Percent	Number	Percent	
All public schools	917	100	77,8 53	100	
Instructional level					
Elementary	455	5 0	57,705	74	
Secondary	4 21	4 6	18,083	23	
Combined	41	5	2,064	3	
Size of enrollment					
Less than 300	18 1	20	20,673	27	
300 to 999	537	5 9	50,044	64	
1,000 or more	19 9	22	7,136	9	
Metropolitan status					
City	208	23	17,906	23	
Urban fringe	230	2 5	18,464	24	
Town	237	2 6	19,539	25	
Rural	242	2 6	21,944	28	
Geographic region					
Northeast	162	18	13,935	18	
Southeast	206	23	16,568	21	
Central	2 69	29	23,980	31	
West	28 0	31	23,369	3 0	
Percent minority enrollment					
Less than 6 percent	26 6	31	23,750	32	
6 to 20 percent	219	2 5	18,036	24	
21 to 49 percent	192	22	15,698	21	
50 percent or more	194	2 2	16,390	22	
Percent of students eligible for free or reduced-					
price school lunch					
Less than 11 percent	176	19	13,192	17	
11 to 30 percent	284	31	2 1, 87 6	28	
31 to 70 percent	311	34	28,017	3 6	
71 percent or more	143	16	14,651	19	

NOTE: Percents may not sum to 100 because of rounding, and details may not add to totals because of rounding for weighted estimates.

Table 2.—Percent of public schools having access to selected telecommunication capabilities and the specific location of telecommunications within the school, by capability: 1995

Telecommunication	Percent of schools	Percent of	Percent of schools reporting their telecommunications locations					
capabilities	having access	Administrative offices	Teacher workrooms	Class- rooms	Computer labs	Library/ media centers		
Computers connected to a local								
area network	7 7	73	20	4 5	71	64		
Computer with modern	76	61	10	3 0	41	64		
Computer with connection or								
access to a wide area network.	6 1	58	14	3 5	41	68		
Broadcast television	71	3 5	28	82	47	88		
Cable television	76	33	25	72	42	91		
Closed-circuit television	28	5 0	32	91	60	8 9		
One-way video with two-								
way audio or computer link	13	24	17	57	37	69		
Two-way video and audio	7	26	15	63	41 .	54 .		

NOTE: Percents of schools reporting telecommunications locations do not sum to 100 because many schools reported access in more than one location. Location estimates are based on those schools that have access to each type of telecommunication capability.

Table 3.—Percent of public schools having access to various types of computer networks in fall 1994 and fall 1995: 1995

	Percent of schools having	access to computer networks
	1994	1995*
Any type of computer network (i.e., local area network or wide area		
network)	. 75	8 5
Local area network only	. 2 6	23
Wide area network		61
Internet		50
Other wide area network with no access to Internet		11

^{*}Details may not add to totals because of rounding.

Table 4.—Percent of public schools having access to the Internet and the percent of all instructional rooms across the country with Internet access in fall 1994 and fall 1995, by school characteristics:

School characteristic	Percent of so	chools having	Percent of all instructional rooms			
	access to t	he Internet	across the country v	across the country with Internet access 1		
	1994	1995	1994	1995		
All public schools	35	50	3	9		
Instructional level ²						
Elementary	30	4 6	3	10		
Secondary	4 9	65	4	8		
Size of enrollment						
Less than 300	30	3 9	3	11		
300 to 999	3 5	52	3	10		
1,000 or more	58	69	3	4		
Metropolitan status						
City	40	47	4	8		
Urban fringe	38	5 9	4	8		
Town	29	47	3	10		
Rural	3 5	48	3	10		
Geographic region						
Northeast	34	5 9	3	7		
Southeast	29	44	2	6		
Central	34	52	3	11		
West	42	48	5	10		
Percent minority enrollment						
Less than 6 percent	+	52	+	10		
6 to 20 percent	+	58	+	11		
21 to 49 percent	+	54	+	10		
50 percent or more	+	4 0	+	5		
Percent of students eligible for free or						
reduced-price lunch						
Less than 11 percent	•	62	•	9		
11 to 30 percent	•	59	•	10		
31 to 70 percent	•	47	•	8		
71 percent or more	•	31	•	5		

^{*}Data not available.

⁺Data not currently available.

¹The percent of instructional rooms across the country is based upon the total number of instructional rooms (e.g., classrooms, computer labs, library/media centers) in all regular public elementary and secondary achools.

²Data for combined schools are not reported as a separate instructional level because there were very few in the sample. Data for combined schools are included in the totals and in analyses by other school characteristics.

Table 5.—Percent of public schools having access to the Internet by the number and mean number of instructional rooms with Internet access, by school characteristics: 1995

	Nu	Mean number of				
School characteristic	0 rooms	l room	2-3 rooms	4 rooms	5 or more rooms	instructional rooms with Internet access
All public schools	7	47	24	4	19	5.0
Instructional level*						
Elementary	7	51	20	4	19	4.7
Secondary	6	3 9	33	5	17	5.5
Size of enrollment						
Less than 300	10	42	28	4	17	3.8
300 to 999	6	50	22	4	19	5.4
1,000 or more	5	4 0	3 0	5	20	4.9
Metropolitan status						
City	7	42	22	6	23	5.0
Urban fringe	6	5 0	24	2	19	5.2
Town	8	47	21	4	20	5.9
Rural	7	4 7	28	5	13	4.1
Geographic region						
Northeast	3	54	2 5	1	17	3.8
Southeast	2	58	22	6	12	4.4
Central	10	41	24	3	22	5.4
West	9	41	24	6	20	5.9
Percent minority enrollment						
Less than 6 percent	12	43	2 5	3	18	4.7
6 to 20 percent	5	44	2 0	5	2 5	6.0
21 to 49 percent	2	48	24	6	20	6.0
50 percent or more	7	51	3 0	1	11	3.2
Percent of students eligible for						
free or reduced-price lunch						
Less than 11 percent	3	4 6	22	4	2 5	5.3
11 to 30 percent	5	45	24	4	22	6.2
31 to 70 percent	9	4 6	24	6	14	4.3
71 percent or more	9	5 6	25	1	8	2.8

^{*}Data for combined schools are not reported as a separate instructional level because there were very few in the sample. Data for combined schools are included in the totals and in analyses by other school characteristics.

NOTE: Percents may not sum to 100 because of rounding. Percents in this table are based upon the number of schools having access to the Internet-50 percent of public schools.

Table 6.—Mean number of computers in public schools and the percent of all computers in public schools across the country with Internet access, by school characteristics: 1995

	Mean number of computers	Percent of all computers in public school		
School characteristic	in public schools	across the country with Internet access 1		
All public schools	72	14		
Instructional level ²				
Elementary	60	13		
Secondary	112	13		
Size of enrollment				
Less than 300	41	15		
300 to 999	71	15		
1,000 or more	164	8		
Metropolitan status				
City	8 4	11		
Urban fringe	83	13		
Town	72	16		
Rurai	54	14		
Geographic region				
Northeast	63	15		
Southeast	87	10		
Central	62	15		
West	77	13		
Percent minority enrollment	•			
Less than 6 percent	60	17		
6 to 20 percent	75	15		
21 to 49 percent	7 7	14		
50 percent or more	80	8		
Percent of students eligible for free or				
reduced-price lunch				
Less than 11 percent	77	15		
11 to 30 percent	7 8	15		
31 to 70 percent	68	12		
71 percent or more	65	10		

¹The percent of computers across the country is based upon the total number of computers in all regular public elementary and secondary schools.

²Data for combined schools are not reported as a separate instructional level because there were very few in the sample. Data for combined schools are included in the totals and in analyses by other school characteristics.

Table 7.—Percent of public schools having access to the Internet by the number and mean number of computers with Internet access, by school characteristics: 1995

	Number of computers with Internet access					
School characteristic	1 computer	2-5 computers	6-9 computers	10 or more computers	computers with Internet access	
All public schools	35	38	6	21	12	
Instructional level*						
Elementary	40	37	5	18	9	
Secondary	25	39	9	27	16	
Size of enrollment						
Less than 300	34	42	8	16	7	
300 to 999	38	35	6	21	12	
1,000 or more	19	45	5	31	15	
Metropolitan status						
City	2 9	3 9	6	2 6	11	
Urban fringe	38	34	6	22	12	
Town	3 6	3 5	6	22	14	
Rural	3 6	42	6	16	9	
Geographic region						
Northeast	48	29 9	7	17	11	
Southeast	32	49	3	16	10	
Central	3 6	35	6	23	11	
West	27	4 0	8	2 6	12	
Percent minority enrollment						
Less than 6 percent	45	29	6	2 0	12	
6 to 20 percent	2 5	42	7	2 6	13	
21 to 49 percent	32	40	5	23	13	
50 percent or more	32	44	8	16	8	
Percent of students eligible for						
free or reduced-price lunch						
Less than 11 percent	29	38	6	2 6	14	
11 to 30 percent	35	33	7	2 5	13	
31 to 70 percent	4 0	40	5	15	9	
71 percent or more	32	43	4	21	9	

^{*}Data for combined schools are not reported as a separate instructional level because there were very few in the sample. Data for combined schools are included in the totals and in analyses by other school characteristics.

NOTE: Percents may not sum to 100 because of rounding. Percents in this table are based upon the number of schools having access to the Internet-50 percent of public schools.

Table 8.—Percent of public schools having access to the Internet, by various types of Internet capabilities and for whom in the school community the capability is available: 1995

		Members of school community with access to capability ²			
Internet capabilities	Available ¹	Administrative staff	Teachers	Students	
E-mail	93	91	85	41	
News groups	73	82	92	51	
Resource location services (e.g., Gopher, Archie, Veronica, etc.)	83	83	92	62	
World Wide Web Access (e.g., Browsers, such as Netscape, MOSAIC)	8 0	82	92	7 0	

¹Percents in this column are based upon the number of schools having access to the Internet-50 percent of public schools.

²Percents in these columns are based upon the number of schools with the corresponding Internet capability.

Table 9.—Percent of public schools having access to the Internet, by the extent of wide area network use by members of the school community and by school characteristics: 1995

				Members o	f the school	community			
School	Adr	ninistrative	staff	Teachers			Students		
characteristic	Not at all	Small extent	Moderate or large extent	Not at all	Small extent	Moderate or large extent	Not at all	Small extent	Moderate or large extent
All public schools	27	55	18	11	61	28	32	47	21
Instructional level*									
Elementary	29	55	16	13	64	23	35	48	-17
Secondary	23	56	21	8	54	38	27	42	3 0
Size of enrollment									
Less than 300	21	57	2 2	17	51	32	35	4 6	18
300 to 999	28	55	17	10	64	2 6	32	47	21
1,000 or more	3 0	54	15	8	60	32	24	48	28
Metropolitan status									
City	28	56	15	11	64	24	29	54	23
Urban fringe	31	52	17	9	63	28	2 6	51	2 1
Town	28	5 6	16	12	61	27	37	42	23
Rural	20	57	23	13	55	32	37	41	21
Geographic region									
Northeast	33	54	13	11	67	22	35	4 4	21
Southeast	3 6	5 6	8	12	67	21	33	50	17
Central	2 6	54	20	14	60	27	27	51	22
West	18	57	2 6	8	54	38	34	42	24
Percent minority enrollment									-
Less than 6 percent	2 6	54	2 0	21	53	2 6	3 6	45	19
6 to 20 percent	24	54	22	5	62	33	25	5 0	2 5
21 to 49 percent	31	5 6	13	4	74	2 2	31	4 6	23
50 percent or more	2 6	60	14	12	57	31	3 6	49	16
Percent of students eligible for									
free or reduced-price lunch									
Less than 11 percent	25	57	18	10	57	33	24	47	3 0
11 to 30 percent	25	5 0	24	8	63	29	27	49	24
31 to 70 percent	3 0	5 9	11	16	60	24	41	45	14
71 percent or more	26	5 6	18	10	62	28	33	48	19

^{*}Data for combined schools are not reported as a separate instructional level because there were very few in the sample. Data for combined schools are included in the totals and in analyses by other school characteristics.

NOTE: Percents may not sum to 100 because of rounding. Percents in this table are based upon the number of schools having access to the Internet-50 percent of public schools.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, "Survey on Advanced Telecommunications in U.S. Public Schools, K-12," FRSS 57, 1995.

Table 10.--Percent of public schools having access to the Internet, by type of wide area network connection and by school characteristics: 1995

School	Type of connection						
characteristic	Modem	SLIP/PPP	56Kb	Tl	ISDN		
			10	~	3		
All public schools	81	23	10	7	3		
Instructional level*							
Elementary	82	21	9	6	2		
Secondary	7 7	28	13	8	3		
Size of enrollment							
Less than 300	85	18	9	1	4		
300 to 999	81	23	11	7	2		
1,000 or more	7 6	30	10	12	3		
Metropolitan status							
City	83	2 0	9	10	5		
Urban fringe	80	23	9	7	2		
Town	82	24	13	6	0		
Rural	8 0	23	10	5	4		
Geographic region							
Northeast	87	22	11	5	2		
Southeast	8 6	16	6	8	6		
Central	7 8	32	10	7	1		
West	7 6	17	14	7	3		
Percent minority enrollment							
Less than 6 percent	7 5	28	14	5	3		
6 to 20 percent	80	21	9	8	1		
21 to 49 percent	90	21	8	7	4		
50 percent or more	82	15	7	7	4		
Percent of students eligible for free							
or reduced-price lunch							
Less than 11 percent	75	27	18	6	_		
11 to 30 percent	7 5	29	10	9	1		
31 to 70 percent	90	16	7	4	3		
71 percent or more	80	16	7	9	10		

⁻ Less than 1 percent.

NOTE: Percents do not sum to 100 because some schools reported more than one type of connection. Percents in this table are based upon the number of schools having access to the Internet-50 percent of public schools.

^{*}Data for combined schools are not reported as a separate instructional level because there were very few in the sample. Data for combined schools are included in the totals and in analyses by other school characteristics.

Table 11.—Percent of public schools having access to the Internet, by type of network administrator and by school characteristics: 1995

	Type of network administrator						
School characteristic	Full-time network admin- istrator	Part-time network admin- istrator	No single individual	District staff			
All public schools	12	45	20	24			
Instructional level*							
Elementary	11	41	22	2 6			
Secondary	13	52	16	19			
Size of enrollment							
Less than 300	11	51	16	21			
300 to 999	13	43	2 0	24			
1,000 or more	11	43	22	24			
Metropolitan status							
City	7	4 2	24	27			
Urban fringe	9	43	19	28			
Town	23	41	14	22			
Rural	9	52	22	17			
Geographic region							
Northeast	13	4 6	23	18			
Southeast	10	38	2 5	27			
Central	13	47	17	23			
West	11	45	17	27			
Percent minority enrollment							
Less than 6 percent	15	4 6	24	15			
6 to 20 percent	14	41	18	27			
21 to 49 percent	8	42	19	32			
50 percent or more	6	53	20	21			
Percent of students eligible for free or reduced-							
price lunch							
Less than 11 percent	11	40	23	26			
11 to 30 percent	18	43	18	21			
31 to 70 percent	9	49	17	24			
71 percent or more	5	45	2 5	2 5			

^{*}Data for combined schools are not reported as a separate instructional level because there were very few in the sample. Data for combined schools are included in the totals and in analyses by other school characteristics.

NOTE: Percents may not sum to 100 because of rounding. Percents in this table are based upon the number of schools having access to the Internet-50 percent of public schools.

Table 12.—Percent of public schools reporting the extent of the formal role that various groups have in developing the school's advanced telecommunications activities: 1995

Various groups	Small or no extent	Moderate extent	Large extent
Students	86	13	2
Teachers/staff	25	37	38
Parents	63	31	7
School district	13	24	63
State education agency	67	19	14
Regional associations	81	13	6
Business leaders	82	14	4
Institutions of higher education	82	13	5
Other community organizations	8 6	10	3

NOTE: Percents may not sum to 100 because of rounding.

Table 13.—Percent of public schools that do not currently have access to the Internet and their plans to obtain access to the Internet, by school characteristics: 1995

	No	Planning	T	ype of access plann	ed	No plans for
Inte	Internet access	Internet access in future	Direct	Other WAN	Both	future Internet access
All public schools	5 0	74	43	2 0	11	26
Instructional level*						
Elementary	54	72	44	2 0	9	28
Secondary	35	8 0	40	23	17	20
Size of enrollment						
Less than 300	61	6 6	3 6	18	13	34
300 to 999	48	7 6	4 4	22	9	24
1,000 or more	31	91	68	15	9	9
Metropolitan status						
City	53	74	41	18	16	2 6
Urban fringe	41	71	42	21	8	2 9
Town	51	71	3 9	25	8	29
Rwal	52	78	4 9	19	10	22
Geographic region						
Northeast	41	64	41	15	9	3 6
Southeast	5 6	7 7	43	25	9	23
Central	48	69	39	21	8	31
West	52	80	47	19	15	2 0
Percent minority enrollment						
Less than 6 percent	48	74	41	2 0	13	2 6
6 to 20 percent	42	72	5 5	12	5	27
21 to 49 percent	4 6	7 7	38	23	16	23
50 percent or more	6 0	68	4 0	2 0	8	32
Percent of students eligible						
for free or reduced-price						
lunches						
Less than 11 percent	38	68	51	10	7	32
11 to 30 percent	41	7 8	41	22	15	22
31 to 70 percent	53	72	4 0	21	11	28
71 percent or more	69	7 5	44	23	7	2 5

^{*}Data for combined schools are not reported as a separate instructional level because there are very few in the sample. Data for combined schools are included in the totals and in analyses by other school characteristics.

NOTE: Percents in this table are based upon the number of schools that do not have access to the Internet-50 percent of public schools.

Table 14.—Percent of all public schools indicating the extent to which various factors are barriers to either the acquisition or the use of advanced telecommunications: 1995

•	Minor or no	Moderate	Major
Barrier	barrier	barrier	barrier
Lack of or poor equipment	37	23	40
Inadequate hardware upkeep and repair		22	24
Too few telecommunication access points in building		18	54
Problems with telecommunications service provider		13	13
Lack of instructional software	52	28	20
Software too complicated to use	79	15	6
Lack of time in school schedule	44	2 6	30
Telecommunications links not easily accessible	45	19	3 6
Telecommunications equipment not easily accessible	40	22	37
Lack of technical support or advice		27	25
Lack of administrative support or initiative	74	15	11
Lack of or inadequately trained staff	39	33	29
Lack of teacher interest	7 0	24	5
Lack of teacher awareness regarding ways to integrate			
telecommunications into curriculum	36	3 6	28
Lack of student interest	9 5	4	1
Lack of parent or community interest	81	15	5
Not enough help for supervising student computer use	49	28	23
Concern about student access to inappropriate materials	58	24	18
Funds not specifically allocated for telecommunications	28	18	55
Variability of telecommunications rates from service providers	63	21	16
Use of advanced telecommunications does not fit with the			
educational policy of this school	93	6	1

NOTE: Percents may not sum to 100 because of rounding.

Table 15.—Percent of public schools currently having access to the Internet by the extent to which various factors are barriers to upgrading or maximizing the use of their advanced telecommunication capabilities: 1995

Barrier	Minor or no	Moderate	Major
Dalitici	barrier	barrier	barrier
Lack of or poor equipment	. 39	23	38
Inadequate hardware upkeep and repair		20	20
Too few telecommunication access points in building.		18	51
Problems with telecommunications service provider		12	9
Lack of instructional software	. 59	27	14
Software too complicated to use	. 83	13	4
Lack of time in school schedule	. 37	26	37
Telecommunications links not easily accessible	. 48	23	29
Telecommunications equipment not easily accessible	. 45	25	31
Lack of technical support or advice	. 49	2 9	22
Lack of administrative support or initiative	. 7 6	16	8
Lack of or inadequately trained staff	. 37	35	28
Lack of teacher interest	69	25	5
Lack of teacher awareness regarding ways to integrate			
telecommunications into curriculum	33	37	30
Lack of student interest	95	4	1
Lack of parent or community interest	83	12	4
Not enough help for supervising student computer use	45	31	23
Concern about student access to inappropriate materials	55	2 6	19
Funds not specifically allocated for telecommunications	33	18	49
Variability of telecommunications rates from service providers	68	18	14
Use of advanced telecommunications does not fit with the			
educational policy of this school.	9 6	4	(+)

⁽⁺⁾ Less than .5 percent.

NOTE: Percents may not sum to 100 because of rounding. Percents in this table are based upon the number of schools having access to the Internet—50 percent of public schools.

Table 16.—Percent of public schools that do not currently have access to the Internet by the extent to which various factors are barriers to their acquisition of advanced telecommunication capabilities: 1995

Barrier	Minor or no	Moderate	Major
	barrier	barrier	barrier
Lack of or poor equipment	3 5	23	42
Inadequate hardware upkeep and repair	49	23	28
Too few telecommunication access points in building.	27	17	5 6
Problems with telecommunications service provider	68	14	17
Lack of instructional software	45	30	26
Software too complicated to use	7 6	17	7
Lack of time in school schedule	51	25	24
Telecommunications links not easily accessible	42	15	43
Telecommunications equipment not easily accessible	3 6	19	44
Lack of technical support or advice	47	2 6	27
Lack of administrative support or initiative	72	15	13
Lack of or inadequately trained staff	4 0	30	3 0
Lack of teacher interest	72	23	5
Lack of teacher awareness regarding ways to integrate			
telecommunications into curriculum	39	36	2 6
Lack of student interest	95	3	2
Lack of parent or community interest	78	17	5
Not enough help for supervising student computer use	53	25	22
Concern about student access to inappropriate materials	61	22	18
Funds not specifically allocated for telecommunications	22	17	60
Variability of telecommunications rates from service providers	5 9	24	18
Use of advanced telecommunications does not fit with the			
educational policy of this school	90	8	2

NOTE: Percents may not sum to 100 because of rounding. Percents in this table are based upon the number of schools that do not have access to the Internet-50 percent of public schools.

Appendix A
Standard Error Tables

Table 2a.—Standard error of the percent of public schools having access to selected telecommunication capabilities and the specific location of telecommunications within the school, by capability: 1995

Talasammunication	Percent of schools	Percent of schools reporting their telecommunications locations				
Telecommunication capabilities	having access	Administrative offices	Teacher workrooms	Class- rooms	Computer labs	Library/ media centers
Computers connected to a local						
area network	1.8	1.7	1.5	2.2	1.9	2.0
Computer with modern	1.7	1.9	1.1	1.8	1.6	2.1
Computer with connection or						
access to a wide area network.	2.0	2.3	1.3	2.3	2.5	2.2
Broadcast television	1.4	2.4	2.2	1.5	2.1	1.4
Cable television	1.7	1.7	1.8	1.6	2.1	1.2
Closed-circuit television	1.7	3.3	2.9	1.7	3.1	2.0
One-way video with two-						
way audio or computer link	1.2	4.1	3.7	4.6	4.6	4.6
Two-way video and audio	0.8	5.6	4.5	5.8	6.1	5.5

Table 3a.—Standard error of the percent of public schools having access to various types of computer networks in fall 1994 and fall 1995: 1995

	Percent of schools having access to computer networ		
	1994	1995	
Any type of computer network (i.e., local area network or wide			
area network)	1.5	1.4	
Local area network only	1.5	1.6	
Wide area network		2.0	
Internet	1.5	1.8	
Other wide area network with no access to Internet	1.0	1.3	

Table 4a.—Standard error of the percent of public schools having access to the Internet and the percent of all instructional rooms across the country with Internet access in fall 1994 and fall 1995, by school characteristics: 1995

63.11.4.15	Percent of so	chools having		structional rooms
School characteristic	access to t	he Internet	across the country	with Internet access
	1994	1995	1994	1995
All public schools	1.5	1.8	0.3	0.9
Instructional level				
Elementary	1.9	2.4	0.4	1.3
Secondary	2.4	2.7	0.6	1.1
Size of enrollment				
Less than 300	3.4	3.9	0.7	2.4
300 to 999	2.0	2.2	0.5	1.3
1,000 or more	3.0	4.1	0.6	1.0
Metropolitan status				
City	3.1	4.3	0.8	1.7
Urban fringe	2.9	3.8	0.8	1.4
Town	2.3	3.7	0.6	2.6
Rural	2.7	3.8	0.4	1.8
Geographic region				
Northeast	3.1	5.3	0.7	1.5
Southeast	3.1	3.3	0.3	1.9
Central	2.8	3.3	0.8	1.5
West	2.6	3.4	0.8	1.6
Percent minority enrollment				
Less than 6 percent	+	3.3	+	1.8
6 to 20 percent	+	4.4	+	1.7
21 to 49 percent	+	4.0	+	2.3
50 percent or more	+	3.8	+	1.2
Percent of students eligible for				
free or reduced-price lunch				
Less than 11 percent	•	3.5	•	1.6
11 to 30 percent	•	3.6	•	1.7
31 to 70 percent	•	2.9	•	1.5
71 percent or more	•	4.3	•	1.6

^{*}Data not available.

⁺Data not currently available.

Table 5a.—Standard error of the percent of public schools having access to the Internet by the number and mean number of instructional rooms with Internet access, by school characteristics: 1995

	Nu	mber of instruc	tional rooms w	ith Internet ac	cess	Mean number of
School characteristic	0 rooms	l	2-3 rooms	4 rooms	5 or more rooms	instructional rooms with Internet access
All public schools	1.1	2.6	1.8	1.2	2.2	0.5
Instructional level						
Elementary	1.6	3.5	2.5	1.7	2.9	0.6
Secondary	1.9	3.5	3.1	1.2	2.5	0.8
Size of enrollment						
Less than 300	3 .6	5.3	5.3	2.1	5.3	0.7
300 to 999	1.4	3.0	2.2	1.4	2.4	0.6
1,000 or more	2.6	4.6	4.2	1.6	4.1	1.1
Metropolitan status						
City	3.2	5.6	4.7	3.0	5.5	1.0
Urban fringe	2.3	4.6	4.1	0.9	3.4	0.8
Town	2.7	5.2	4.2	2.0	4.7	1.4
Rural	2.7	4.7	3.6	2.7	3.3	0.7
Geographic region						
Northeast	1.8	5.8	5.3	0.6	3.8	0.8
Southeast	1.5	5.3	3.9	2.9	3.5	1.2
Central	2.9	4.8	4.0	1.4	3.7	0.8
West	2.6	5.1	3.5	2.8	3.8	0.9
Percent minority enrollment						
Less than 6 percent	3.0	4.7	3.6	1.4	3.5	0.8
6 to 20 percent	1.9	4.7	3.6	2.4	4.5	0.8
21 to 49 percent	1.4	6.4	4.3	3.0	4.3	1.3
50 percent or more	3.2	5.2	5.3	0.8	3.8	0.8
Percent of students eligible for						
free or reduced-price lunch						
Less than 11 percent	2.0	6.0	4.2	1.7	5.0	0.8
11 to 30 percent	1.6	4.0	3.2	1.6	3.9	1.0
31 to 70 percent	2.5	4.3	3.3	2.2	3.3	0.7
71 percent or more	4.6	7.5	6.0	0.6	4.5	0.8

Table 6a.—Standard error of the mean number of computers in public schools and the percent of all computers in public schools across the country with Internet access, by school characteristics: 1995

	Mean number of computers	Percent of all computers in public school		
School characteristic	in public schools	across the country with Internet access1		
All public schools	1.7	1.4		
Instructional level ²				
Elementary	2.0	1.7		
Secondary	3.4	1.6		
Size of enrollment				
Less than 300	2.6	3.2		
300 to 999	2.0	1.7		
1,000 or more	6.5	1:1		
Metropolitan status				
City	3.5	1.6		
Urban fringe	3 .5	2.0		
Town	3.3	3.2		
Rural	2.2	2.9		
Geographic region				
Northeast	3.5	3.2		
Southeast	4.0	2.3		
Central	. 2.7	2.0		
West	2.8	1.7		
Percent minority enrollment				
Less than 6 percent	2.7	2.5		
6 to 20 percent	3 .5	2.0		
21 to 49 percent	4.1	2.6		
50 percent or more	3.8	1.2		
Percent of students eligible for free or				
reduced-price lunch				
Less than 11 percent	4.0	2.2		
11 to 30 percent	4.1	2.1		
31 to 70 percent	2.7	1.9		
71 percent or more	3.8	2.3		

Table 7a.—Percent of public schools having access to the Internet by the number and mean number of computers with Internet access, by school characteristics: 1995

	N	umber of computer	s with Internet acc	ess	Mean number of	
School characteristic	1	2-5	6-9	10 or more	computers with	
	computer	computers	computers	computers	Internet access	
All public schools	2.3	2.1	1.2	2.1	1.0	
Instructional level*						
Elementary	3.2	2.8	1.5	2.8	1.2	
Secondary	2.9	3.2	2.3	2.8	2.2	
Size of enrollment						
Less than 300	6.7	6.6	3.1	4.4	1.6	
300 to 999	3.1	3.0	1.5	2.7	1.4	
1,000 or more	4.0	4.8	1.7	4.1	2.2	
Metropolitan status						
City	4.5	5.5	2.7	4.3	1.7	
Urban fringe	4.4	4.6	2.4	4.0	1.9	
Town	5.2	4.9	2.3	4.7	2.8	
Rural	5.1	4.9	2.2	3.5	1.9	
Geographic region						
Northeast	5.3	4.9	2.4	3.8	2.6	
Southeast	5.5	~5.8	2.0	3.8	2 .5	
Central	5.1	4.1	2.2	3.3	1.7	
West	4.2	4.7	2.4	4.5	1.8	
Percent minority enrollment						
Less than 6 percent	4.9	4.0	2.7	3.4	1.9	
6 to 20 percent	4.7	4.9	2.1	4.5	1.9	
21 to 49 percent	5.2	5.8	3.7	5.8	2.7	
50 percent or more	6.3	6.3	1.3	3.6	1.2	
Percent of students eligible for						
free or reduced-price lunch						
Less than 11 percent	4.8	3.9	2.6	4.5	2.1	
11 to 30 percent	5.0	3.4	1.9	3.9	2.1	
31 to 70 percent	4.3	4.4	1.7	3.1	1.8	
71 percent or more	7.7	8.5	2.9	5.5	1.6	

Table 8a.—Standard error of the percent of public schools having access to the Internet, by various types of Internet capabilities and for whom in the school community the capability is available: 1995

Internet capabilities	Available	Members of sc	ool community with access to capability	
		Administrative staff	Teachers	Students
E-mail	1.3	1.4	1.7	2.6
News groups	1.9	2.1	1.7	3.1
Resource location services (e.g., Gopher, Archie, Veronica, etc.)	2.2	2.4	1.5	3.0
World Wide Web Access (e.g., Browsers, such as Netscape, MOSAIC)	1.8	2.2	1.6	2.7